

Figure: 25 TAC §289.301(cc)(1)

Wavelength (nm)	Emission duration (seconds)	Class I - Accessible Emission limits		
		(value)	(units)	(quantity)
$\geq 180$ but $\leq 400$	$\leq 3.0 \times 10^{-4}$	$2.4 \times 10^{-5} k_1 k_2^*$	Joules (J)*	radiant energy
	$> 3.0 \times 10^{-4}$	$8.0 \times 10^{-10} k_1 k_2^*$	Watts (W)*	radiant power
$> 400$ but	$> 1.0 \times 10^{-9}$ to $2.0 \times 10^{-5}$	$2.0 \times 10^{-7} k_1 k_2$	J	radiant energy
	$> 2.0 \times 10^{-5}$ to $1.0 \times 10^1$	$7.0 \times 10^{-4} k_1 k_2 t^{3/4}$	J	radiant energy
	$> 1.0 \times 10^1$ to $1.0 \times 10^4$	$3.9 \times 10^{-3} k_1 k_2$	J	radiant energy
	$> 1.0 \times 10^4$	$3.9 \times 10^{-7} k_1 k_2$	W	radiant power
	OR			
$\leq 1400$	$> 1.0 \times 10^{-9}$ to $1.0 \times 10^1$	$10 k_1 k_2 t^a$	$\text{J cm}^{-2} \text{sr}^{-1}$	integrated radiance
	$> 1.0 \times 10^1$ to $1.0 \times 10^4$	$20 k_1 k_2$	$\text{J cm}^{-2} \text{sr}^{-1}$	integrated radiance
	$> 1.0 \times 10^4$	$2.0 \times 10^{-3} k_1 k_2$	$\text{W cm}^{-2} \text{sr}^{-1}$	radiance
$> 1400$ but $\leq 2500$	$> 1.0 \times 10^{-9}$ to $1.0 \times 10^{-7}$	$7.9 \times 10^{-5} k_1 k_2$	J	radiant energy
	$> 1.0 \times 10^{-7}$ to $1.0 \times 10^1$	$4.4 \times 10^{-3} k_1 k_2 t^{1/4}$	J	radiant energy
	$> 1.0 \times 10^1$	$7.9 \times 10^{-4} k_1 k_2$	W	radiant power
$> 2500$ but $\leq 1.0 \times 10^6$	$> 1.0 \times 10^{-9}$ to $1.0 \times 10^{-7}$	$1.0 \times 10^{-2} k_1 k_2$	$\text{J cm}^{-2}$	radiant exposure
	$> 1.0 \times 10^{-7}$ to $1.0 \times 10^1$	$5.6 \times 10^{-1} k_1 k_2 t^{1/4}$	$\text{J cm}^{-2}$	radiant exposure
	$> 1.0 \times 10^1$	$1.0 \times 10^{-1} k_1 k_2 t$	$\text{J cm}^{-2}$	radiant exposure

The variable in the expression is the magnitude of the sampling interval (t), in units of seconds

\* Class I accessible emission limits for wavelengths equal to or greater than 180 nm but less than or equal to 400 nm shall not exceed the class I accessible emission limits for the wavelengths greater than 1400 nm but less than or equal to  $1.0 \times 10^6$  nm with a  $k_1$  and  $k_2$  of 1.0 for comparable sampling intervals.